

**Abstract**

Offset compensation for asymmetrical eye pattern.

5 The present invention relates to a method for compensating asymmetry in a reproduction signal DRSO from an optical recording medium, and to an apparatus for reading from and/or writing to optical recording media using such method. It is an object of the invention to propose a method for

10 compensating an offset in an asymmetric reproduction signal DRSO capable of compensating the offset even if the amplitude of the shortest run-length components is smaller than the asymmetry of the reproduction signal DRSO. This object is achieved by a method for compensating an

15 offset in an asymmetric reproduction signal, whereby an offset compensation signal OFS is subtracted from the reproduction signal DRSO, the offset compensation signal OFS being generated by an offset compensator 11, comprising the steps of:

20 detecting a binary data signal NRZ from the asymmetric reproduction signal DRSO; and using the binary data signal NRZ for obtaining the offset compensation signal OFS.

25 Fig. 2